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(54) Title: METHODS OF MODULATING FABH ACTIVITY

(57) Abstract

The invention provides FabH polypeptides and polynucleotides encoding FabH polypeptides and methods for producing such polypeptides by recombinant techniques. Also provided are methods for utilizing FabH polypeptides to screen for antibacterial compounds.

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## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US00/12250

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :A61K 38/51; C12N 9/00, 1/20

US CL : 424/94.5; 435/183, 252.3, 320.1, 69.1, 7.4; 514/44, 120; 530/350

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 424/94.5; 435/183, 252.3, 320.1, 69.1, 7.4; 514/44, 120; 530/350

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WEST (USPT, JPAB, EPAB, DWPI); malonyl, acp, conversion, acetyl CoA, FabH, staphylococcus, streptococcus, antagonist, inhibit

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,885,572 A (GENTRY et al) 23 March 1999, Claims, Abstract, column 24, line 56 to column 25, line 40.	1-22
Y	US 5,783,432 A (GENTRY et al) 21 July 1998, Abstract, Claims, column 2, line 46 to column 3, line 62.	1-22
Y	US 5,759,832 A (GENTRY et al) 02 June 1998, Abstract, Claims, column 2, line 45 to column 3, line 62.	1-22

 Further documents are listed in the continuation of Box C.  See patent family annex.

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